

Lesson 3-7

Solving Multiplication and Division Equations

Name: _____

Date: _____

Period: _____



Homework Video Tutor

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Objective: We will be able to use multiplication and division to solve equations.

Example 1:

$$\text{Solve } 6x = 144$$

Solve

Check

(1) _____ each side by
_____ to undo the multiplication.

(2) _____ to check.



Quick Check: Solve $0.8p = 32$

Example 2: The cost of a pay per-view boxing match on TV is \$39.95. Five friends decide to watch the fight together and split the cost equally. What amount will each friend pay?

Equation = _____

Solve

Check

Example 3:

$$\text{Solve } x \div 6.3 = 9$$

Solve

Check

(1) _____ each side by

_____ to undo the division.

(2) _____ to check.



Quick Check: Solve $w \div 1.5 = 10$

Homework Exercises

Solve	Check
(1) $905 = 5a$	
(2) $6v = 792$	
(3) $672 = 21m$	
(4) $19m = 266$	

(5) Write a **multiplication** equation and then solve.

Ty spent \$15 on folders that cost \$3 each. How many folders did he buy?

Equation: _____

(6)

$$z \div 27 = 63$$

(7)

$$12 = y \div 12$$

(8)

$$d \div 1,000 = 10$$